

# Angular Reactive Forms

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## INTRODUCTION



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# ONLINE REGISTRATION FORM

First Name

Last Name

Gender

Date of Birth

Age

Country

Place of Birth

Zip Code

Phone

email

Current adress

Reason for the application

SELECT YOUR COUNTRY OF ORIGIN

Botswana

Brazil

Britain

Brunei

Bulgaria

Burkina

Burma

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# Module Overview



**Angular Forms**

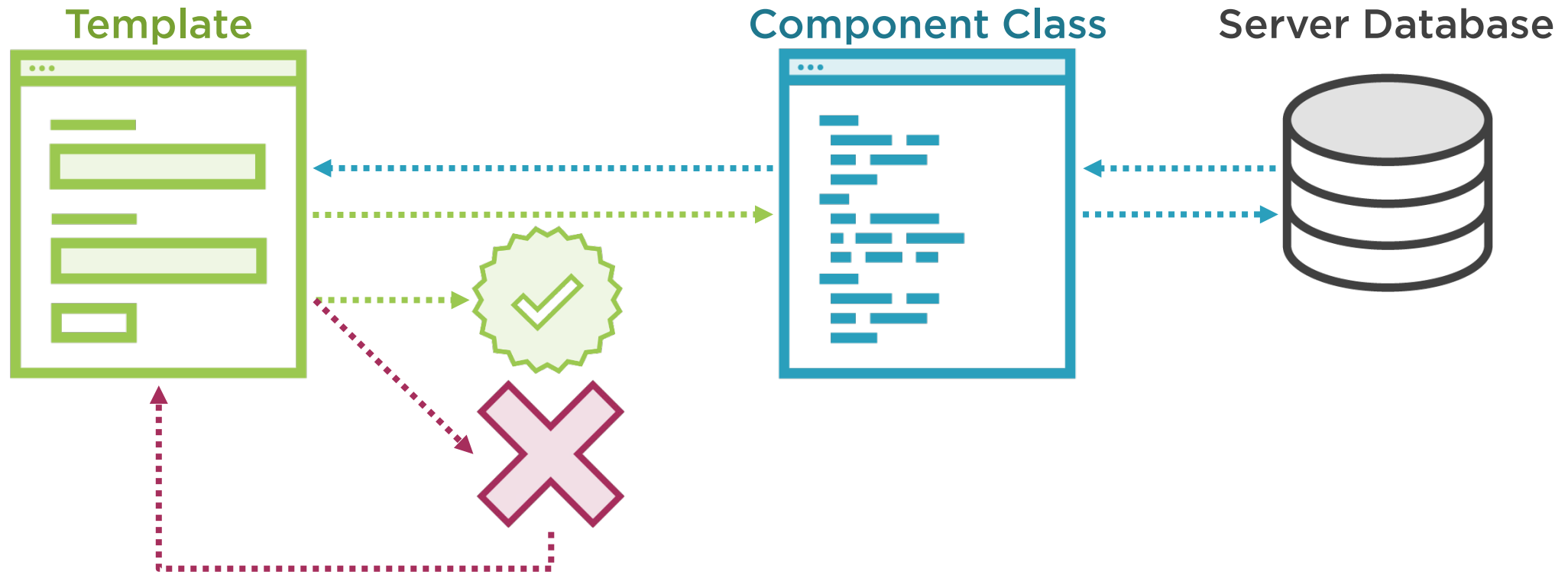
**Getting the Most from This Course**

**Demo Form and Sample Application**

**Course Outline**



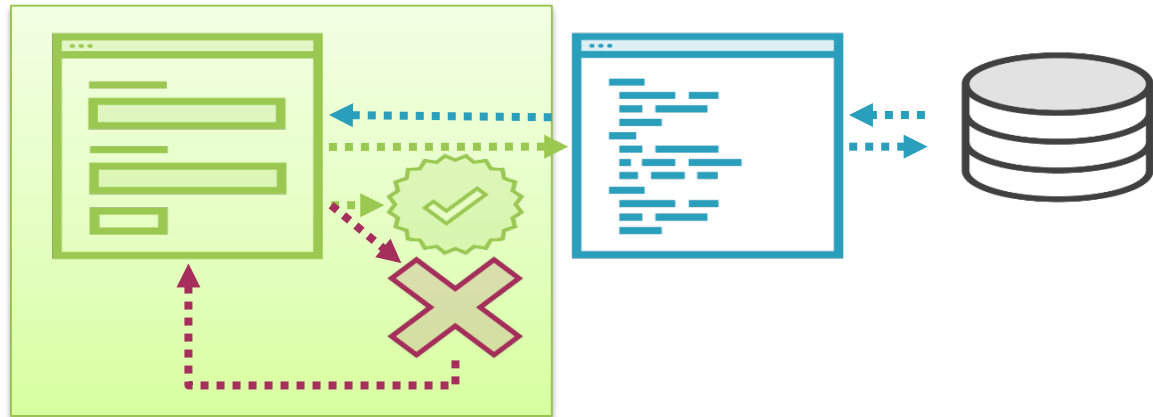
# Angular Forms



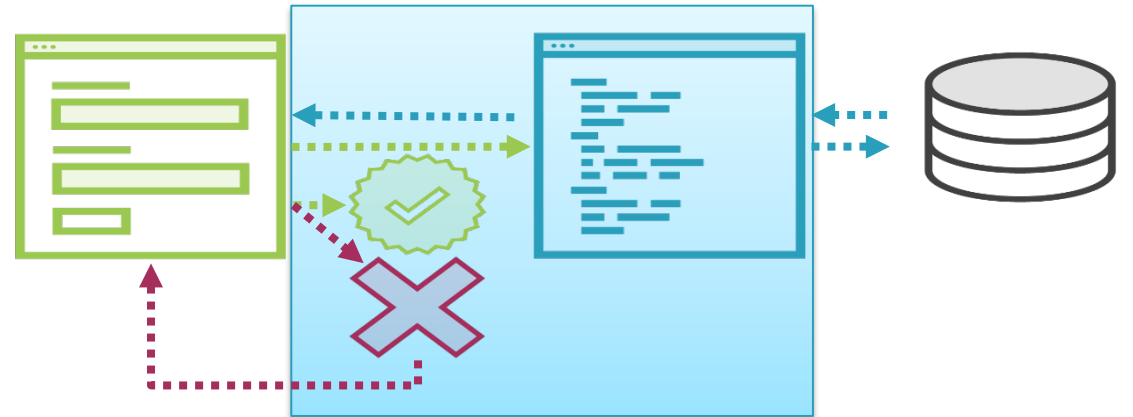


# Angular Forms

Template-driven



Reactive  
(Model-driven)



# Angular Forms

## Template-driven

Easy to use

Similar to AngularJS

Two-way data binding ->  
Minimal component code

Automatically tracks form and  
input element state

## Reactive

More flexible ->  
more complex scenarios

Immutable data model

Easier to perform an action  
on a value change

Reactive transformations ->  
DebounceTime or DistinctUntilChanged

Easily add input elements dynamically

Easier unit testing



# Prerequisites

## Required

- Angular modules (NgModule)
- Components
- Templates
- Binding
- Services
- Routing

## Suggested

- Angular: Getting Started
- Angular: First Look

## Not Required

- Prior Angular forms knowledge



# Thoughts? Comments? Questions?

Table of contents

Description

Transcript

Exercise files

**Discussion**

Learning Check

**@deborahkurata**





# Blog Post

<http://blogs.msmvps.com/deborahk/angular-2-reactive-forms-problem-solver/>

## Deborah's Developer MindScape

### "Angular Reactive Forms" Problem Solver

This blog post supports the sample code for the "Angular: Reactive Forms" course on Pluralsight, identifying common issues along with their solutions.



# Checklist



Review module concepts

Code along assistance

Revisit as you build



# GitHub Repository

The screenshot shows the GitHub repository page for **DeborahK / Angular-ReactiveForms**. The repository has 20 watchers, 136 stars, and 214 forks. The main content area displays the repository description: "Materials for my Pluralsight course: Angular Reactive Forms: <https://app.pluralsight.com/library/courses/angular-2-reactive-forms>." Below this, it shows repository statistics: 70 commits, 1 branch, 0 releases, 1 contributor, and MIT license. A progress bar is visible. The repository is on the master branch. Below the statistics, there is a list of files and folders: **.vscode** (First check in, 2 years ago), **APM** (Update to Angular v6, RxJS v6, and Bootstrap v4, a month ago), **Demo-Final** (Update to Angular v6 and Bootstrap v4, a month ago), and **Demo-Start** (Update to Angular v6 and Bootstrap v4, a month ago).

DeborahK / Angular-ReactiveForms

Unwatch 20 Star 136 Fork 214

Code Issues 0 Pull requests 0 Projects 0 Wiki Insights Settings

Materials for my Pluralsight course: Angular Reactive Forms: <https://app.pluralsight.com/library/courses/angular-2-reactive-forms>.

Add topics

70 commits 1 branch 0 releases 1 contributor MIT

Branch: master New pull request Create new file Upload files Find file Clone or download

DeborahK Update CHANGELOG.md Latest commit ebd2d78 on Jul 27

.vscode	First check in	2 years ago
APM	Update to Angular v6, RxJS v6, and Bootstrap v4.	a month ago
Demo-Final	Update to Angular v6 and Bootstrap v4.	a month ago
Demo-Start	Update to Angular v6 and Bootstrap v4.	a month ago

<https://github.com/DeborahK/Angular-ReactiveForms>

Angular Reactive Forms



# Demo Form

Sign Up!

First Name

First Name (required)

Last Name

Last Name (required)

Email

Email (required)

☒ Send me your catalog

Address Type

☒ Home ☐ Work ☐ Other

Street Address 1

Street address

Street Address 2

Street address (second line)

City, State, Zip Code

City

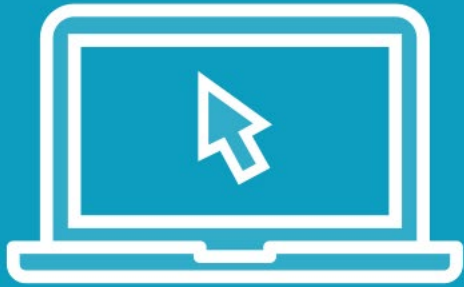
Select a State...

Zip Code

Save



# Demo



## Sample Application in Action

- Reactive form
- Routing
- Data Access Service



# Course Outline



Template-driven vs. Reactive Forms

Building a Reactive Form

Validation

Reacting to Changes

Dynamically Duplicate Input Elements

Reactive Form in Context

Create, Read, Update and Delete (CRUD)  
Using HTTP

